

Product datasheet for **AP26374PU-N**

Aggf1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, IP, WB
Recommended Dilution:	Immunohistochemistry on frozen sections: The typical starting working dilution is 1:10. Immunohistochemistry on paraffin sections: The typical starting working dilution is 1:10. Immunoassays. Immunoprecipitation. Western blot: The typical starting working dilution is 1:10.
Reactivity:	Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Specificity:	The polyclonal antibody reacts with mouse VG5Q, a 84 kDa protein.
Formulation:	PBS State: Purified State: Liquid 0.2 µm filtered Ig fraction Stabilizer: 0.1% bovine serum albumin Preservative: 0.02% sodium azide
Concentration:	lot specific
Purification:	Protein A
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C.
Stability:	Shelf life: one year from despatch.
Gene Name:	angiogenic factor with G patch and FHA domains 1
Database Link:	Entrez Gene 66549 Mouse Q7TN31



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Background:

VG5Q functions as an angiogenic factor in promoting angiogenesis and suppression of VG5Q expression inhibits vessel formation. Angiogenic factors are critical to the initiation of angiogenesis and maintenance of the vascular network. Angiogenesis has an essential role in pathological conditions such as cancer and various ischaemic and inflammatory diseases. VG5Q can bind to endothelial cells and promote cell proliferation, suggesting that the protein may act in an autocrine fashion. VG5Q interacts with TWEAK (also known as TNFSF12), another secreted angiogenic factor.

VG5Q shows strong expression in blood vessels and is secreted when vessel formation is initiated. VG5Q protein was detected mostly in the cytoplasm and around the nuclei of human microvascular endothelial cells (HMVECs). Furthermore VG5Q is detected in human umbilical vein endothelial cells (HUVECs), human heart fibroblast (HHF) and ovarian cancer cells (OV-3), but low expression was detected in kidney cancer cells (RP-45), HeLa Cells and bladder cancer cells.

Synonyms:

GPATC7, GPATCH7